

# Weekly report

## 1 Done.

### 1.1 RelationLine

Received a user study from a retired police.

Next week, I will record video with new system.

### 1.2 Bitcoin

We defined our tasks as:

- Query an account;
- Visualize the information about an account, including history transactions, asset changes, related accounts, etc.;
- Query transactions;
- Visualize transactions to observe transaction patterns.

Next week we will design interface and put tasks in series.

### 1.3 Graph Privacy

I have discussed with Huihua about her graduation project.

Besides, we have discussed our project with Fangzhou. Now, we have some improvement ideas:

- Expand history review function to facilitate users in finding the most appropriate resolutions.
- Weaken the view that displays the graph data. There is not much need to show the entire data, especially for large graphs. So, related view may be fold. We can display the data changes by thumbnails such as heatmap. Users can zoom in to observe in detail.
- Instead of just locking nodes, users should be allowed to customize the priority of node processing.

Thus, there generates some new design needs.

### 1.4 Geo privacy

Next week, we will gather at least 30 participants to help us complete the user study.

## 2 Progress

Item	Deadline	Current progress	Remark
Geo-privacy	12.30	User study.	-
Graph privacy	1.31	Programming.	-
RelationLine	12.14	Most writing.	
Bitcoin	-	Visual design.	-